REV.	BRIEF DESCRIPTION OF CHANGE	ECO	DATE	BY	APPR.

SEE SHEET 13

SH 3 PRO OPFN ADD-ON 10K U4 TLC274 +15V GND

C48 0.1 +15V* U22 SET RESET J K CLK VDD VSS Q Q̄ CD4027

SH 3,5 INT36

R196 1K VN10KM Q23

C132 1.0 -10V R134 20K U15 LF347N +15V -15V GND

C89 .001 R115 1K R114 2.2K U58 LM339AN +15V GND

TP10 TP22 C21 0.1 R113 10K

TP9 TP3 TP8 TP7 TP6 TP5 TP4

+12VA GNDA/B OVERLOAD A OVERTEMP A OVERVOLTAGE A PEAK/HOLD A MONITOR A

J4 9 J4 15 J4 2 J4 3 J4 6 J4 7 J4 8

TP17 TP11 TP16 TP15 TP14 TP13 TP12

+12VB GNDA/B OVERLOAD B OVERTEMP B OVERVOLTAGE B PEAK/HOLD B MONITOR B

J3 9 J3 15 J3 2 J3 3 J3 6 J3 7 J3 8

R144 1K +5V

INHIBIT B J3 1

INHIBIT A J4 1

U11 LM319N +15V GND GNDA/B

R4 560 DS2 MV5774 +5V

INHIBIT TP2 VN10KM Q3 R3 100 U30 CD4071 +15V GND

+5V R92 49.9K 2.5V R91 49.9K GND

8V → .5V → 1ms
0V → 8.5V → 17ms

+10V R126 15K R127 2.21K R128 2.21K R129 1K GND

-10V R133 10K R131 10K R130 10K R132 10K

U15 LF347N +15V -15V GND

INHIBIT HI

ON /OFF SH 5 INT44

PROGRAM VOLTS B J3 5

PROGRAM VOLTS A J4 5

PFN A/B TP39

PRO VOLTS OSC SH 2 INT28

C136 0.1 C139 0.1 U94 AD620 +15V -15V GNDA/B GND

QTY	ITEM	PART NUMBER	DESCRIPTION

	NAME	DATE
DFTS.	DUKE	9/94
CHK.		
ENG.	S.LAWRENCE	9/94
MFG.		

MODEL	NEXT ASSY.
FINISH:	

Spectra-Physics — MOUNTAIN VIEW CA 94042

TOLERANCES, UNLESS OTHERWISE SPECIFIED: .X ± MM: ± .XX ± ANGLES: ± .XXX ± SURF.FIN: ±

CONFIDENTIAL: SPECTRA-PHYSICS PROPRIETARY

GENERAL TOLERANCES PER S-P DOCUMENT NO. C-5124

SCHEMATIC
MAIN CONTROL P.C.B.

SCALE	SIZE	DRAWING NUMBER	SHEET	REV.
NONE	D	0449-4020	7 OF 13	D

P-CAD 5.1
FILE:MAIN7.SCH

8-5